

**In The Claims**

Please amend the claims as indicated.

1. (Original) A system for the destruction of volatile organic compounds (VOCs) comprising:
  - a combustor;
  - a reaction chamber connected to said combustor; and,
  - an engine connected to said reaction chamber;

wherein said system is configured to receive a primary fuel and a secondary fuel, said secondary fuel comprising VOC laden air, and wherein said primary fuel is combusted in said combustor and said secondary fuel is combusted in said combustor and said reaction chamber.
2. (Original) The system of claim 1 further comprising a recovery generator connected to said engine, wherein said engine drives said recovery generator such that said generator generates electricity.
3. (Original) The system of claim 2 wherein said engine comprises a gas turbine engine and includes a compressor.
4. (Original) The system of claim 3 wherein said compressor comprises a multi-stage compressor and said system further comprises an air inlet duct for the communication to the system of said secondary fuel, said air inlet duct communicating with said compressor.
5. (Original) The system of claim 4 wherein said secondary fuel is compressed within said compressor, said compressor further comprising an outlet which directs said compressed secondary fuel to said combustor and said reaction chamber.
6. (Currently amended) The system of a claim 5 further comprising a primary fuel source, said primary fuel source having an outlet operatively communicating with said combustor.

7. (Original) The system of claim 5 wherein said reaction chamber defines a passageway, said passageway communicating with said compressor outlet and said combustor and the interior of said reaction chamber.

8. (Original) The system of claim 7 wherein said combustor is attached to said reaction chamber such that said combusted primary fuel interacts with said compressed secondary fuel to substantially destruct said volatile organic compounds contained in said secondary fuel and to provide a mixed stream to power said gas turbine engine.

9. (Currently amended) A system for the destruction of volatile organic compounds (VOCs) and the co-generation of power comprising:

    a power generator including a compressor and a turbine;  
    a reaction chamber having first and second sections, said first section communicating with an outlet of said compressor and said second section communicating with an inlet to said turbine;  
    a combustor attached to said reaction chamber, said combustor having an inlet for receiving a primary fuel supply;  
    an air inlet connected to said compressor such that operation of said compressor draws in inlet air laden with VOCs and compresses said inlet air;  
    wherein said reaction chamber first section communicates with the interior of said reaction chamber ~~and aid~~ and said combustor such that said compressed inlet air is directed by said first section to said combustor and said reaction chamber;  
    wherein said combustor is configured to combust said primary fuel supply and said combustor and said reaction chamber are configured to destroy said VOCs in said inlet air and direct the combustion gases through said turbine inlet to drive said turbine.

10. (Original) The system of claim 9, wherein said power generator comprises a gas turbine engine.

11. (Original) The system of claim 9, wherein said air inlet includes an air inlet sensor configured to measure the amount of VOC's in said inlet air; said primary fuel is provided by a primary fuel system, that includes a sensor configured to measure the flow of said primary fuel directed to said combustor; and, said power generator includes a sensor configured to measure the speed of said turbine.
12. (Original) The system of claim 11, further comprising a computer control system configured to receive said sensor measurements and adjust said flow of said primary fuel.
13. (Original) The system of claim 9, further comprising a generator to initially power said compressor and said turbine.
14. (Original) The system of claim 13 further comprising a power recovery system configured to harness the energy created by operation of said turbine and means for directing a portion of said harnessed energy to said compressor to power said compressor without assistance of said generator.
15. (Original) The system of claim 14 further comprising a heat recovery system, said heat recovery system communicating with an outlet from said turbine and configured to convert the heat generated through operation of said turbine into electrical power.
16. (Original) A system comprising:
  - means for providing to the system a primary fuel;
  - means for providing to the system a secondary fuel comprising volatile organic compound laden (VOC) air;
  - means for compressing said secondary fuel;
  - means for combusting said primary and secondary fuels to substantially destroy said VOCs in said secondary fuel and generate a stream of combustion gases; and
  - means for generating power attached to said combustion means for receiving said stream of combustion gases and generating power.

17. (Original) The system of claim 16 wherein said combustion means further comprises a first combustion means for combusting said primary fuel and a portion of said secondary fuel to produce a first stream of combustion gases and a second combustion means for receiving said first stream and reacting said first stream with the remainder of said secondary fuel to provide a second stream of combustion gases, said power generation means configured to receive said second stream of combustion gases.